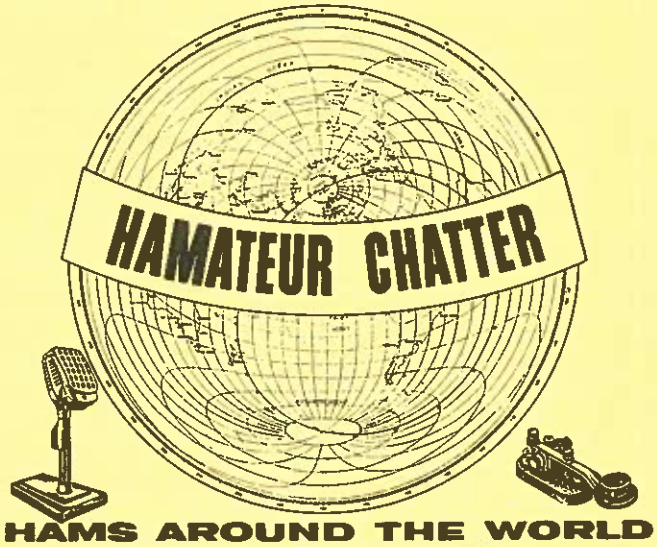
The Milwaukee Radio Amateurs' Club, Inc.

The World's Oldest Continuously Active Radio Amateur Club



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Meetings on the second Thursday of the month at MSOE, 1020 No. Broadway, 7:30 p.m. -- Everybody Welcome!

SEPTEMBER 1970 NUMBER TWENTY

FIELD DAY

The mention of Field Day stirs the blood of a select circle of dyed-in-wool hams. No doubt others can be classified as such but this gang can qualify as the epitome of hamdom. They are a dedicated lot who do much to maintain the public-service image. To do this, they also demonstrate "field expedience" operation in antennas, independent power sources, special transmitting and receiving gear coupled with FB ham know-how. This "field expedience" has come from the results of much planning, perhaps measured in years of experience. With the prime purpose of preparing for emergency situations, these exercises have born fruit in various instances. The recounts of earthquake, tornado and hurricane catastrophies has shown the ham readiness and participation of many of these same FD adherents.

Each year the scheduled date for FD is in June but the serious planning starts when the snow is still on the ground. Gear is tested, operators sharpen operating techniques, loggers and spotters developing systems of recording and at this early planning stage, new participants--"nuts" as they are called in Ozaukee--are recruited and trained. As this is a 24-hour affair, the mess department is an all-important adjunct, with some fellows serving only in this capacity year after year. This reporter has heard of one cook and his super deluxe steaks also prepared in true emergency style with an independent "power source"--a la charcoal broiler. And when deadline finally comes, the weary ops gather to break-down stations and exchange quick resumes, there are many shouts of the true addict, "Wait till next year!"

FB PICNIC

The picnic this year at Kletzsch Park was quite a success, according to all reports. As usual, Travis W9VQD and Lowell W9NGV did the dirty work (they were volunteered) and procurred the beverages and prizes and conducted the games for the harmonics. The number of hams registered on the roster was 39 and a calculated guestimate of 65 total attending. As usual, there were many gathering groups in eye-ball QSO's, XYL's talking shop (gossiping), Emergency group huddle in a bunch planning (or plotting), OT's renewing their fellowship with other OT's and some new ones and all on a beautiful day. So many families and kids made it a pleasant picnic.

NEWS AND VIEWS OF THE PRESIDENT

The past summer, I have participated in the circus parade, the Milwaukee Open golf tournament, and the Air Show with the AREC nets. There were many others that also worked these events. I would like to give credit to everyone that also attended these and other events but to list a few and not all of them would not be fair and I do not have the list of all that did. Everyone that did help in all or one event had a certain amount of satisfaction in using our hobby to assist others but more than that, we had fun! To those that did not get into the fun, you missed it! Our 146.67 MHz frequency is becoming more important all the time. First, we are not using the frequency for long ragchews. This makes the frequency good for monitoring all the time and to use for a friendly call or emergency. This is the frequency where all the information is gotten about the above events. It also is a place where club announcements and activities are broadcast. The net roll call is on Monday nights at 9 PM local time. It is short and to the point. Very good Net Control operators are hard to get but we have them on this frequency on Net nights as well as at each event. Are you on frequency to get this information? The cost of getting an FM rig is very low if you use surplus equipment and there are several of us in the area that would help you convert this old equipment to our frequencies if you express the desire (see HELPING HANDS).

While I am in a complimentary mood, I also want to thank a terrific crew we have in the club. Events have been going like clock-work with out directions from me. Chet W9CTI and his staff has worked hard to get news for this paper. He sez, "Gosh! you guys are hard to get news out of:" (bad grammar but 'tis a fact...ed) Those of you that manage an event PLEASE send in the details of it with the calls of the operators participating. Travis W9VQD and Lowell W9NGV did a great job on the picnic. Chuck W9CUW, treasurer and Walt W9YYW, secretary have been very loyal year after year.

This year we are planning on programs that are designed to help you service your equipment. With the help of the Tektronix people, we will have two films on scopes and a session on how to use them. We will also have a meeting on how to shoot trouble on a receiver with out too much equipment. We should have a good year--bring some young hams to the meetings or potential hams--and yourself!

73 Dick W9ZPV

LETTER TO PRES. MRAC

(This letter from Jack, W9ATK to Pres. Dick seemed informative enough to publish..ed.)

Dear OM:
I am surprised to see a "negative note" in what is usually a very positive column in the club newspaper. I think that your comments were due to lack of background in the matter of the Severe Weather reporting networks...at least that is what it seems to be. By way of explanation, I think a few facts should be brought to light for all to know:

1. We are all aware that only people who are licensed Amateurs or are working directly under a licensed Amateur may operate equipment on Amateur frequencies during normal times. This is not the case on Military frequencies-all those persons who are authorized may operate there.

2. Much of the ESSA (Weather Bureau) traffic is on land line TTY and since the Navy MARS Repeater System uses both RTTY and voice and, in addition, covers most of the areas of higher population density in Wisconsin, the planners felt that this tool should not be overlooked. I am sure that no group was intentionally slighted by this move.

3. The TTY equipment used on this circuit was supplied by the MARS program at no cost. There is a space problem and the equipment met the needs of the service--it was utilized.

4. There is two meter FM equipment on 146.67 MHZ located at the bureau and is used to a great extent when licensed personnel are available. The bureau has a list of volunteers (and may need more) who are called in when help is needed.

5. Those who operate the Severe Weather nets on either Ham or Mars frequencies do so by choice. Any Ham may choose to join MARS if he is 16 years or older. Those "select few" you mentioned have proven to be very hard workers and quite dedicated.

6. The whole system was carefully and thoroughly thought out before being implemented. The Networks have proven to be effective thru the past few years of their existence.

I sincerely hope this will help you to understand the thinking that led to the present methods of operating the Severe Weather reporting system.

73 J. McLeland
Ass't EC Milwaukee County

ESTIMATING WIND SPEED

Up To 1 MPH	Calm. Smoke rises vertically.
1 To 3 MPH	Direction of wind shown by smoke drift but not by wind vanes.
4 To 7 MPH	Wind felt on face. Leaves rustle. Vanes moved by wind.
8 To 12 MPH	Leaves and small twigs in constant motion. Wind extends light flag.
13 To 18 MPH	Raises dust and loose paper. Small branches moved.
19 To 24 MPH	Small trees in leaf begin to sway. Crested wavelets form on inland waters.
25 To 31 MPH	Large branches in motion. Whistling heard in telegraph wires. Umbrellas used with difficulty.
32 To 38 MPH	Whole trees in motion. Inconvenience felt walking against wind.
39 To 46 MPH	Breaks twigs off trees. Impedes progress.
47 To 54 MPH	Slight structural damage occurs.
55 To 63 MPH	Trees uprooted. Considerable damage occurs.
64 To 72 MPH	Widespread damage.
73 Or Greater	Hurricane force winds. Widespread damage.

SEVERE WEATHER NET

(NOTE: This article has been condensed from a bulletin issued April 7th by Dave Theophilus W9KWQ/NØOUV Circuit Coordinator, ESSA Weather Bureau and Sherm Carr W9NGT/NØZAS, SEC Wisconsin Section.)

The Wisconsin Severe Weather Network turned in an excellent job last year, participating in twenty-nine of the thirty-three weather watches. Operation was more efficient and effective than the year before, and we expect an even more comprehensive operation this year. From the mail responses, there will be much increased participation, and more and more operators are expanding to VHF and RTTY, and installing protective measures against lightning. We are more knowledgeable on the ways of bad weather and the weather bureau operations, and generally more weatherwise. We plan to send out more weather information from time to time which everyone will find useful.

Again, we want to emphasize the importance of the Severe Weather Network operation. All participating in this operation serve three vital functions:

A. Report to the Weather Bureau any severe weather occurences at their specific locations and any data pertaining thereto;

B. Receive all watches, warnings and advisories from the Weather Bureau for dissemination to the key people in their communities for the purpose of warning the public;

C. Be available as part of a fully operational network able to handle any emergency traffic in event disaster strikes any community.

This network is automatically in session whenever the ESSA Weather Bureau issues a severe weather watch, and will continue until cancelled by the Weather Bureau at Mitchell Field.

Circuits and/or frequencies used:

3985	KHz	Voice mode, AM or SSB
3610	KHz	(When activated) mode, CW or RTTY
146.67	MHz	AREC net frequency mode, FM
146.94	MHz	National emergency frequency FM
148.41	MHz	Navy MARS VHF repeater system, FM and RTTY. Access freq. 150.09 MHz.

Also land-line TTY is used.
(This service can use more volunteers--see Dave or Sherm.)

ESTIMATING THE INTENSITY OF RAIN

VERY LIGHT - Scattered drops that do not completely wet an exposed surface regardless of duration.

LIGHT - Individual drops are easily seen. Slight spray is observed over pavements. Puddles form slowly. Over two minutes may be required to wet pavements completely. Sound on roofs range from slow pattering to gentle swishing. Steady small streams may flow in gutters and downspouts.

MODERATE - Individual drops are not clearly identifiable. Spray is observable just above pavements and other hard surfaces. Puddles form rapidly. Downspouts on buildings seem 1/4 to 1/2 full. Sound on roofs ranges from swishing to gentle roar.

HEAVY - Rain seemingly falls in sheets. Individual drops are not identifiable. Heavy spray to height of several inches is observed over hard surfaces. Downspouts run more than 1/2 full. Visibility is greatly reduced. Sound on roofs resembles roll of drums or distant roar.

The Ham'Chatter Survey was a "huge" success! We want to thank all four that returned the forms! Thanks, Jeff Peters WB9AJP, John Czarnecki K9PSU, John Rocki W9HDY and Bob Peterson. Your prize is a one year free subscription to Hamateur Chatter.

CHATTER

Emmett K9DD and XYL Scotty enjoyed a Scandinavian tour this summer.

George Ruger has gone the Great Circle route in ham radio. He began as 9DVD (1921), then 9ANG (1923), W9VWG (1936) and now he's back at the start again as WN9EHA. Welcome aboard again!

Howard WA9RYF has already convinced his new XYL that the MRAC meeting lasts until 11:30. Did you mention the second half of the meeting, Howie?

It is reported that Louis Wollaeger, W9ANA, KX6DC is back in the States, namely North Carolina, preparing to retire from the service.

RADIO PARTS COMPANY CHANGES HANDS

Of local interest to the older ham circle is the retirement of Charley Braun from Radio Parts Co. In the heyday of home-brewing, Charley had available the needed parts and ham equipment. Charley has always cooperated with the local clubs altho he never was a ham himself. In later years as the ham became more "appliance minded" and the "wholesale" market changed, Radio Parts became less ham and more commercial suppliers.

Wellknown to the ham and radio engineering circles here, Ernie Behagan W9QUN has taken over the establishment in partnership with John Dieringer and Joe Kachnowicz. Radio Parts is located at 1314 No. 7th St. and can supply many items used by the hams: condensers, resistors, tubes, mikes, etc. They invite their ham friends to come visit them.

ATTENTION!! STOLEN GEAR!!

So. Milwaukee Club reports the following stolen: Gonset Twins G66B (Ser. #D2028) and C77A with factory-built supply, Home-brew 5 watt 6 meter xmitter and Ameco 6-meter convertor. Notify a club officer (see back page).

WANT AD

FOR SALE-Sky Roamer rcvr, Rich WB9CKG, 258-6685

FOR SALE-Eico 753 w/pwr supply: $110. Steve WA9WYF, 672-4643.

AREC

There was fine participation in the Fourth Parade, Milwaukee GMO and Air Show. We need reporters for these activities.

SILENT KEYS

Dale Engler	K9GHT
Erwin G. Nickel	ex-9ATO
Harlan Wright	W9AFT
Jack King	K9CET

NEW MEMBERS

Lee A. Mushel, K9WRU
7307 W. Herbert Ave. 53218
William U. Witt, Jr., W9LUR
5689 N. Lake Drive 53217
Andrew Mueller, WA9BPG
2222 Oaklawn Ave. Waukesha 53186
Mark P. Miller, WN9EMV
7332 Harwood Ave. Wauwatosa 53213
James Boos, WN9EVT
6947 N. 85th St. 53224
Rich Leitermann, WB9CKG
1847 Ludington, Wauwatosa 53226
Jeffrey E. Peters, WB9AJP
3430 S. Herman St. 53207

EDITOR'S CORNER

Each issue, this Editor feels that he must comment on a timely topic. And each editorial is preceded by much profound head-scratching. When material was sent in about Field Day activities and Severe Weather Net operations, it was only natural that our attention be turned to Emergency Operations. This facet of Ham Radio is probably the most important aspect of the Public Service image. These unsung hard-working groups should be given due credit for their unstinting efforts. Others should investigate this side of ham radio and lend support to its activities. Prominent in permanent emergency organizations are the MARS and AREC services, and they are ready to welcome any new recruit.

ON THE BANDS

Herb **WA9HNR** reports into MIDCARS Net on 7258 KHz and often takes over NCS.

Sus WB9BGJ and Larry WA9AUD are active in the YL and International DX net on 14332 KHz.

Ern W9HI is the only active Milwaukee outlet for WIN on 3662 KHz. Chet W9CTI reports in now and then. More CW traffic ops are needed on the Milwaukee end.

A group of locals congregate nightly near 21,360 KHz.

SOME WORDS FROM THE TREASURER

The fiscal dates of a Club Season is September 1st thru August 31st of the following year. Club dues is payable, in advance, starting with the first meeting in September. The Club meetings are held on the 2nd Thursday of the month... Club dues structure is as follows:

Regular and Associate Membership	3.00 yr.
Non-resident Membership	2.00 yr.
Student Membership	2.00 yr.

ARRL Membership Renewals may also be sent to the Club Treasurer. Be sure to complete information requested on Expiration Notice. Renewals thru the Club Treasurer are handled at Club-rates.

Come to the meetings and pay your dues- - -or send check, made payable to Milwaukee Radio Amateurs' Club, Inc., to

Charles C. Dawson, Treas. MRAC
2345 West Skyline Road
Glendale, Wisconsin 53209

Paid-up members can claim their membership cards at any meeting.

Charles C. Dawson, W9CUW

YOUNGEST HAM CLUB MEMBER

Our youngest ham, age 13, is Rich Leitermann WB9CKG, who got his General this summer. He, with Mark WN9EMV, set up a demonstration booth at the Hobby Show at the Lake Park Pavilion. They were not allowed to operate because the custodian thot them too young to handle electricity! Next time, young fellows, ask some O.T.'s to at least front for you and show them the new generation spirit and activity. You do the work--they will help out!

CONSTRUCTION CORNER

Gordon W9ZQK has his welded-home-brewed-crank-up-tilt-over 42-foot tower up now with a Classic 33 and a Hamm rotor. He sent a construction article to QST but it was sent back for revision because it was too complicated. Gordy sez that if the Milwaukee bush leaguers can figure it out, they surely must be able to do it behind the "cod-fish curtain"--quote the late Jack Doyle!

!!FLASH!! QST has accepted the article!

YELLOW THUNDER SMOKE SIGS BARABOO

The Y.T.'s had a fine first Field Day in spite of an uninvited but expected guest--Murphy. (Where wasn't he!..ed) Six stations were operated including a novice position, 6-meter and 2-meter. There were 639 QSO's and total score of 3825 points. Contacts are as follows: 80 CW, 21; 75 fone, 161; 40 CW, 53; 40 fone, 28; 20 CW, 114; 20 fone, 161; 15 CW, 31; 15 fone, 145; 6 fone only 1; 2 fone, 24. Ken Ebneter K9GSC was chairman.

The Wisconsin Amateur Radio Picnic on Sunday, July 12th was fine success. About 70 registered and adding the families, that's a fine crowd. Jim K9PKQ won the CW contest. Visitors included Wis. SEC Sherm Carr W9NGT, SCM Sid Pokorny W9NRP and Director Phil Haller W9HPG who made the presentation of the YTARC Certificate of Affiliation with ARRL. The following from the Novice class received their licenses recently: John Greimel, WN9EFT; Mark Greimel, WN9EFS; Mike Greimel, WN9EFR; Bob Johnson, WN9EIW; Thomas Machaj, WN9EJP and John Stahl, WN9EEI.

Jim Romelfanger, K9PKQ

Any one have a 1916 or 1917 callbook? Need it to verify 9NA. (contact editor or K9PKQ)

SO. MILWAUKEE RADIO CLUB

This newly organized club has already had a successful Swapfest. Will be expanded next year to become a HAMFEST they say. The officers are:

Pres:	Larry Kieck, K9ZBX	762-2859
V. Pres:	Jim Krymkowski, K9WYB	762-1511
Sec-Treas:	Tom Lynch, WA9RNS	383-4274

Anyone interested in joining So. Milw., call one of the officers for info.

Field Day activities were held at Boy Scout Camp Davidson. Total contacts were 904 for a total points of 6034--all on one xmtr. Contacts and mode as follows: 75 fone, 575; 40 fone, 50; 40 CW, 69 and 20 fone, 210. Of interest is that they had a 100-foot flag pole for a sky-hook and used 400 watts PEP. Steve Bratz WA9WYF was the chairman.

Larry Kieck, K9ZBX

W9HHX MSOE

This year's Field Day was again a fine success. They operated again from Lapham Peak near Delafield in the 2 xmtr class. They totaled 5658 points. Break-down of 883 contacts are as follows: 80 CW, 57; 75 ph, 93; 40 CW, 74; 40 ph, 140; 20 CW, 54; 20 ph, 273; 15 ph, 72; 6 ph, 14; and last but not least 2 ph 106. They also got publicity in the Journal on June 26th. Those participating were WA9RYO, WA9CSK, WA9RUD, WA9 QZI (FD Chairman), WA9FHP, K9PJB, WA9GAR, WA9MLZ and WB9ESO.

Kenn Anderson, WA9VIG

Q R Z - MENOMONEE FALLS RADIO AMATEUR CLUB

Well, this was the "next year" we waited for and we did make a slightly better showing than in 1969. Total points was 5,136- - QSO's by bands: 75 ph.: 105; 40 ph.:159; 20 ph.:185; 15 ph.:44; 10 ph.: 7; 6 ph.: 89; 2 ph.: 95.... No "Murphy" this year, at least during the operating period; but, W9ATK ran aground when trying to back out of his parking spot and pulled his muffler loose/

Now we get back into the Autumn-Winter season and hope to see those members who haven't been around during the Summer.... Where did you-all disappear to, Fellas? Meetings are still at the Village Hall, every last Tuesday-of-the month.... If you want to be in on the '71 Field day plans, get here early...

Russ Burlingame WN9ECP

FOR SALE--Hammarlund HQ 170A w/clock and 6-mtr. $150 or even less to a novice. Chet W9CTI 461-4770

HAMTRIX WEST ALLIS

With fine planning and hard work the total number of contacts this Field Day was 2068 and the total points were 13, 608. The previous high was 1968 with 1442 contacts and 10,452 points. Four transmitters were used in simultaneous operation and were juggled as to condition and other equipment usage. Contacts per mode are as follows: On 75 ssb, 285; 40 ssb 671; 20 ssb, 375; 15 ssb, 136; 10 ssb, 75 and on CW, 526 contacts on 80,40, 20 and 15--about equally divided.

It seems that the Czaja family was the highlight of the outing. Special thanks to Teri WA9WNI for a MOST acceptable meal preparation (most important on FD, hi!), and Frank WA9TZD with the hottest mike in town by averaging 69/hour for the first two hours, for which he won a prize, a trans VOX. Those participating were: K9WTF, K9IAX, K9BTQ, WA9AKV, WA9OIF, WA9TZD, WA9WNI, WA9KRF, K9ILV, K9IAC, W9NUE, WB9BTR, Dick Hopkins K7--and chairman Ron Gorski W9KYZ. Ron thanks all for making this a most enjoyable and successful Field Day.

Lynn Tamblyn, WA9KRF

THE BEARS STORY (Final Installment)

With the Club formed and regular meetings held, the first of many extra-curricular activities was the exhibition and operation of a live ham station. This was at the annual Pioneer Hobby Show on Jan. 24, 1962. Other firsts this year were code practice sessions, best meeting attendance in club history (34) and acceptance of the first and only YL (in the name of liberation, who she? --ed). 1963 saw the first issue of BEAR FACTS and final affiliation with ARRL. This year saw the discontinuance of summer meetings and a FB presentation and display of homebrew SSB equipment by Ralph Boswell. 1965 instituted the annual "T" party (not because they served tea but because they met at Torbeck's). This year had a somber note in that code practice was dropped--and just when the more skilled members reached five (5) WPM!

By 1966 the BEARS boasted 23 members (paid up). The club was held together with such activities as the annual "T" party, Herb Zwarre's report on the state of the art, outstanding talks and demonstrations and fascinating field trips. Later years continued to have many interesting events, lectures and of course, Herb's Specials. 1970 started auspiciously with the Winter Party at Westward Ho featuring Bill Haase W9FPA, who incidently was reinoculated with Virus Hamitis that nite. This was only partially remedied by an NCX500, various dipoles in the back yard and incantations thru the following evenings, "Calling CQ CQ CQ....". So now this brings the BEAR STORY up-to-date and will hereafter be reported on these pages.

OZAUKEE RADIO CLUB FEEDBACK

Field Day this year was a successful 12,044 pointer. Would have been more except someone lost the 80-meter SSB log with 80 contacts. Break down in contacts according to tents is as follows: 80/40 SSB tent, 439; 20 SSB, 215; CW tent 80/40/20 443, over 400 with less than 10 watts! Bob W9NYJ's CW tent won the private bet from Hal, W9RXJ's tent. The trophy was an imposing affair: a pair of 807's mounted on a board with a six-pack (enscapulated in plastic!). Hal W9RXJ was FD Chairman.

New officers for 1970-71 year are:

President	**Dan Smies**	**WA9RPB**
Vice-Pres	**Chas. Umbruglia**	**W9CPE**
Secretary	**Vic Hoffman**	**W9IDG**
Treasurer	**Richard Husting**	**WA9TZU**
Activities	**Hal Giese**	**W9RXJ**

Ed Bach WA9EMA